

**Solar Radiation Research Laboratory (SRRL) Baseline Measurement System (BMS)**  
**39.74 N Latitude 105.18 W Longitude 1829 Meters AMSL Time Zone -7**

**January 1997**

**Peak Wind Speed (5-Minute Gust)  
Hourly and Daily Averages  
Instrument: Teledyne Geotech  
Meters per Second**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	6.5	3.3	4.2	4.6	3.7	4	4.1	3	3.7	2.3	2.5	1.3	2	2.3	4.6	3.5	3.3	3.9	2.2	2.9	3.8	4.4	2.7	3.1	3.4
2	3.5	3.5	4.2	6.7	5	3.3	1.7	3.1	3.2	2.4	2	2.3	3.1	4.2	4.6	3.3	1.4	2.6	2	3.3	4.9	4.2	6.2	3.6	3.5
3	3.7	4.7	7.6	3.8	2.7	2.5	4.3	3.7	3.3	5	8.7	6.9	6.5	2.6	4.3	4.3	3.4	3.3	4.9	11.8	11.9	10	8.1	11.8	5.8
4	7.7	4.4	5.9	8.1	11	13.4	17.7	13.7	7.2	7.9	9.3	9.5	5.9	9.1	6.5	8.4	6.4	4.5	2.6	2	3.8	4.6	2.6	1.5	7.2
5	1.3	0.9	3.4	3.6	2.7	3.3	4.9	2.7	3.1	4.5	4.4	4.8	5	4.4	3.4	3.8	2.8	4.2	2.7	2.3	1.9	2.1	0.6	0.3	3
6	0.3	3.9	5.9	4.6	4.6	4.3	3.5	2.9	1.3	0.6	0.8	2.2	2.6	3.1	3	2.5	2.7	2.8	2.2	3.4	4	3.1	3.3	3.7	3
7	7.3	7.7	7.5	6.8	6.6	6.7	5.4	3.8	3.7	1.8	1.7	1.3	1.9	2.2	2.2	2.1	2	2.1	2.5	3.4	3.5	3.6	1.6	1.9	3.7
8	2.3	2.5	1	1.6	1.3	1.7	2	2.3	3.3	3.3	2.7	3.8	3.5	3.3	2.7	3.8	5.7	5.4	7.3	7.9	5.6	4.2	5.4	6.8	3.7
9	5.1	7.1	10	7.9	8	8.6	10.5	9.8	9.7	9.5	11.1	11.3	11.8	10.2	9.6	11.2	10.9	12	10.3	7.1	7.9	5.9	5	3.4	8.9
10	3.5	3	1.7	2.3	3	1.3	1.8	2.2	3.1	2	2.9	2.3	2.2	3.1	2.9	2.9	2.4	1.9	2.5	1.6	1.3	1.6	1.9	2.1	2.3
11	2.2	3.4	3.3	3.5	3.6	2.8	1.4	1.3	1.5	1.9	2	2.2	3.3	4.3	4.9	5.3	4.8	3.4	2.7	1.6	2.6	3.1	3	3.1	3
12	2.5	2.5	3	2.8	2.8	2.7	1.9	1.6	2.6	3	3.5	3.5	3.2	3.5	4.1	3.6	3.7	3.6	3.7	1.4	0.4	0.6	1.1	0.9	2.6
13	0.9	0.7	0.8	1.1	1.7	1.1	1	1.7	1.5	1.9	1.6	1.6	1.8	2.7	2.6	3.6	4.8	3.4	1.6	1.4	0.5	0.5	1.2	0.5	1.7
14	0.5	0.5	0.8	1.5	1.3	1.7	1	2.1	2.4	2	1.2	1.4	1.5	3.1	4	4.4	2.7	1.4	1.3	1.7	3.2	8.7	9	7.2	2.7
15	6.4	8.1	8.4	9.6	6.3	8.7	13.8	9.7	9.2	2	8.6	5.9	3.9	3.9	3.8	3.6	5.1	5.7	6.8	7.2	5.6	4.8	3.7	3.8	6.4
16	5.7	5.1	5.1	3.1	1.8	2	2.4	2.1	0.3	1.6	2.7	3.5	2.7	2.5	2.1	2.7	2.9	1.5	3.4	3.8	2.1	1.8	2.3	1.9	2.7
17	2.6	2.5	2	2.6	2.8	3.4	3.1	3	1.4	1.1	1.8	2.9	3.4	2.4	2.2	1.8	0.9	1.5	3.1	3.2	3.2	3	2.7	3.2	2.5
18	4.2	2.3	3.3	3.1	8.4	8.3	8.2	10	11.4	10.7	10.4	6.6	3.3	2.8	10.1	13.8	12.8	12.7	7	4.7	2.4	1.8	0.9	4.2	6.8
19	4.6	4.3	5.6	5.7	5.9	2.2	2.9	1.6	1.5	1.1	1.1	2.1	3.3	3.9	3.8	3.7	2.9	2.8	3.2	3.8	5	4.6	4.2	4	3.5
20	4.2	1.7	3.2	6	7.2	7.5	6.1	4.6	3.6	2.6	2.4	2.8	2.1	1.7	1.9	2.6	2.7	2.2	3.5	4.4	5.9	8.3	8.2	9.8	4.4
21	9.1	8.6	4.6	1.7	1.6	2.2	5.3	9.5	5.6	4.6	9.5	16.1	19.5	20.8	19.8	21	21	16.3	9.9	6.3	6.5	7.6	7.2	15.5	10.4
22	23.6	20.7	14.4	8.3	4.7	3.9	4.7	7.9	6	7.1	6.6	7.4	7.2	4.7	4.5	4.4	3.2	2	2.1	4	2.7	2	2.7	3.8	6.6
23	3.3	2.9	3.3	2.7	2.2	3.8	3.6	4	3.9	2.9	4.1	10.3	10.4	10	10.2	7.5	5.9	4.1	2	2.1	2.3	3.6	4.3	4.4	4.7
24	3.1	4	4	1.4	8.3	8.7	6.1	4.1	2.8	3.8	4.2	5.7	9	9.4	8.9	7.7	5.7	3.6	3.7	4.3	2.1	1.7	2.7	2.8	4.9
25	2.6	2	3.1	3.5	3.2	4.2	3.1	2.6	2.1	2.9	3.9	4.8	4.2	4.1	3.9	4.5	4.1	3.1	2.9	2.4	2.3	3	8.2	11.7	3.8
26	15.3	17.1	17.7	16.8	15.9	16	9.6	4.8	4.8	3	3.8	4.9	14.1	11.1	14.1	8.3	7.1	8.1	8.3	11.7	10.4	11.3	5.9	5.1	10.2
27	7.4	11.1	6.6	3	3.5	2.5	2.1	2.7	1	1.3	2.9	2.8	3.2	4.2	4	4.2	2.4	1.3	3	2.7	2.8	1.3	1.8	1.6	3.3
28	3.4	4.2	3.7	4.4	4.1	5.2	4.6	4.5	4	2.2	1.7	2.1	1.8	2.8	3.6	2	2.4	2.8	1.9	5	10.2	7.7	7.5	8.8	4.2
29	4.6	3.9	4.2	4.9	4.5	3.5	2.9	1.9	1	2.1	3	5.2	5.9	5.8	5.5	4.2	2.2	2.3	2.6	3.4	4.8	6.2	2.7	2.7	3.8
30	4.6	5.5	8.9	8.4	9.9	8.8	11.1	11	8.1	6.5	3.8	3.2	6.3	9.7	12.7	6.9	5.8	10.9	12.8	10.1	14	21.1	19.3	19.7	10
31	14.9	7.6	6	5	10.3	15.4	13.8	12.7	14	8.7	8.9	6.4	9.6	6	8.2	8.8	8.7	5.7	7.9	3.5	2.8	5.6	2.6	1.9	8.1
Avg	5.4	5.2	5.3	4.8	5.1	5.3	5.3	4.9	4.2	3.6	4.3	4.7	5.3	5.3	5.8	5.5	4.9	4.5	4.3	4.3	4.5	4.9	5	4.9	
S D	4.9	4.5	3.7	3.2	3.4	4	4.2	3.6	3.3	2.7	3.1	3.4	4.1	4	4.1	4	3.7	3	2.8	3.3	4.1	3.7	4.5	2.5	
S/A	0.9	0.86	0.71	0.67	0.67	0.76	0.8	0.75	0.78	0.74	0.72	0.72	0.78	0.75	0.72	0.73	0.81	0.81	0.69	0.66	0.73	0.83	0.82	0.91	0.52
Min	0.3	0.5	0.8	1.1	1.3	1.1	1.3	0.3	0.6	0.8	1.3	1.5	1.7	1.9	1.8	0.9	1.3	1.3	1.4	0.4	0.5	0.6	0.3	1.7	
Max	23.6	20.7	17.7	16.8	15.9	16	17.7	13.7	14	10.7	11.1	16.1	19.5	20.8	19.8	21	21	16.3	12.8	11.8	14	21.1	19.3	19.7	10.4
n	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	371	8927	

Data Recovery: 0.0% missing; 0.0% failed QC -- 8927 total measurements.

Instrument: Teledyne Geotech Serial Number: #1 Calibration Factor: 7.98 m/s/V Calibration Date: 07/1994

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

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